



#### PHONES

(044) 360-7-130  
 (050) 336-0-130  
 (063) 788-0-130  
 (067) 233-0-130  
 (068) 282-0-130

# 130

COM.UA

## Internet store of autogoods



#### ICQ

294-0-130  
 597-0-130

SKYPE  
 km-130

CAR RECEIVERS — Receivers • Media receivers and stations • Native receivers • CD/DVD changers • FM-modulators/USB adapters • Flash memory • Facia plates and adapters • Antennas • Accessories |  
 CAR AUDIO — Car audio speakers • Amplifiers • Subwoofers • Processors • Crossovers • Headphones • Accessories | TRIP COMPUTERS — Universal computers • Model computers • Accessories |  
 GPS NAVIGATORS — Portable GPS • Built-in GPS • GPS modules • GPS trackers • Antennas for GPS navigators • Accessories | VIDEO — DVR • TV sets and monitors • Car TV tuners • Cameras • Videomodules • Transcoders • Car TV antennas • Accessories | SECURITY SYSTEMS — Car alarms • Bike alarms • Mechanical blockers • Immobilizers • Sensors • Accessories | OPTIC AND LIGHT — Xenon • Bixenon • Lamps • LED • Stroboscopes • Optic and Headlights • Washers • Light, rain sensors • Accessories | PARKTRONICS AND MIRRORS — Rear parktronic • Front parktronic • Combined parktronic • Rear-view mirrors • Accessories | HEATING AND COOLING — Seat heaters • Mirrors heaters • Screen-wipers heaters • Engine heaters • Auto-refrigerators • Air conditioning units • Accessories | TUNING — Vibro-isolation • Noise-isolation • Tint films • Accessories | ACCESSORIES — Radar-detectors • Handsfree, Bluetooth • Windowlifters • Compressors • Beeps, loudspeakers • Measuring instruments • Cleaners • Carsits • Miscellaneous | MOUNTING — Installation kits • Upholstery • Grilles • Tubes • Cable and wire • Tools • Miscellaneous | POWER — Batteries • Converters • Start-charging equipment • Capacitors • Accessories | MARINE AUDIO AND ELECTRONICS — Marine receivers • Marine audio speakers • Marine subwoofers • Marine amplifiers • Accessories | CAR CARE PRODUCTS — Additives • Washer fluid • Care accessories • Car polish • Flavors • Adhesives and sealants | LIQUID AND OIL — Motor oil • Transmission oil • Brake fluid • Antifreeze • Technical lubricant



In store "130" you can find and buy almost all necessary goods for your auto in Kyiv and other cities, delivery by ground and postal services. Our experienced consultants will provide you with exhaustive information and help you to chose the very particular thing. We are waiting for you at the address

<http://130.com.ua>



FOR CAR USE ONLY/NUR FÜR AUTOMOBIL GEBRAUCH/POUR APPLICATION AUTOMOBILE/UNIQUEMENT PARA USO EN AUTOMÓVIL/ESLO PER UTILIZZAZIONE IN AUTOMOBILE/ENDST FÖR BILKAR/LEEN VOOR GEBRUK IN DE AUTO/ ТОЛЬКО ДЛЯ ИСПОЛБОВАНИИ В АВТОМОБИЛЕ/ENDST FÖR BILKAR/LEEN VOOR GEBRUK IN DE AUTO/ ТОЛЬКО ДЛЯ ИСПОЛБОВАНИИ В АВТОМОБИЛЕ/ENDST FÖR BILKAR/LEEN VOOR GEBRUK IN DE AUTO/

# ALPINE

## MP3 CD Receiver

### CDE-120R / CDE-120RM / CDE-120RR

**MP3** **COMPACT DISC** **USB PLAYBACK**

- OWNER'S MANUAL  
Please read before using this product.
- BEDIENUNGSANLEITUNG  
Lesen Sie diese Bedienungsanleitung bitte vor Gebrauch des Gerätes.
- MODE D'EMPLOI  
Veuillez lire avant d'utiliser cet appareil.
- MANUAL DE OPERACIÓN  
Léalo antes de utilizar este equipo.
- ISTRUZIONI PER L'USO  
Si prega di leggere prima di utilizzare il attrezzatura.
- ANVÄNDARHÄNDEBNING  
Innan du använder utrustningen bör du läsa igenom denna användarhandledning.
- ГЕБРУИКЕРSHANDELEIING  
Les deze aanwijzingen aandachtig alvorens dit toestel te gebruiken.
- РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ  
Прочтите настоящее руководство перед началом использования оборудования.
- INSTRUKCJA OBSŁUGI  
Prosimy zapoznać się z tą instrukcją przed przystąpieniem do użytkowania urządzenia.
- ΕΓΧΕΙΡΙΔΙΟ ΧΡΗΣΗΣ  
Παρακαλούμε διαβάστε το πριν χρησιμοποιήσετε τη συσκευή.

ALPINE ELECTRONICS GmbH  
Wilhelm-Wagenfeld-Strasse 1-3,  
80071 München, Germany  
Phone 089-32 42 640

ALPINE ELECTRONICS OF U.K., LTD.  
ALPINE House,  
Fitcham Road, Highways,  
Coventry CV4 9JY, U.K.  
Phone 0870-33 33 763

ALPINE ELECTRONICS FRANCE S.A.R.L.  
RCS PORTFOLIO 8 538 101 280,  
88, Rue de la Belle Étoile, Z.I. Paris Nord 1,  
B.P. 50115, 95649 Rosny-Charles de Gaulle,  
Cedex, France  
Phone 01 48039585

ALPINE ITALIA S.p.A.  
Via C. Colombo 8, 20090 Trezzano  
Sul Naviglio, Milano, Italy  
Phone 02-464711

ALPINE ELECTRONICS DE ESPAÑA, S.A.  
Paseo de Garmenia 58, Pabellón 32,  
01013 Vitoria (Álava) APDO 133, Spain  
Phone 945-232088

ALPINE ELECTRONICS (BENELUX) GmbH  
Leuvensteeweg 131-88,  
1930 Zaventem, Belgium  
Phone 02 725 1115

## Operating Instructions

### WARNING

#### WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD DUE TO THE LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

### CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

PRECAUTIONS

Product Cleaning

Moisture Condensation

Damaged Disc

Maintenance

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Never Attempt the Following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism.

Do not attempt to insert a disc into the unit when the unit power is off.

Inserting Discs

Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.

Make sure the label side is facing up when you insert the disc. Pushing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.

New Discs

To prevent the CD from jamming, the LCD is displayed as error if discs with irregular surfaces are inserted or if discs are inserted incorrectly. When a new disc is ejected immediately after initial loading, use your finger to feel around the inside of the centre hole and outside edge of the disc. If you feel any small bumps or irregularities, this could inhibit proper loading of the disc. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ballpoint pen or other such instrument, then insert the disc again.

Disc Cleaning

Fingerprints, dust, or soil on the surface of the disc could cause the CD player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the centre of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.

Irregular Shaped Discs

Be sure to use round shape discs only for this unit and never use any special shape discs.

Use of special shape discs may cause damage to the mechanism.

Installation Location

Make sure this unit is not installed in a location subjected to:

• Direct sun and heat  
• High humidity and water  
• Excessive dust  
• Excessive vibrations

Correct Handling

Do not drop the disc while handling. Hold the disc so you will not leave fingerprints on the surface. Do not affix tape, paper, or gummed labels to the disc. Do not write on the disc.

Inserting Discs

Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.

Make sure the label side is facing up when you insert the disc. Pushing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.

New Discs

To prevent the CD from jamming, the LCD is displayed as error if discs with irregular surfaces are inserted or if discs are inserted incorrectly. When a new disc is ejected immediately after initial loading, use your finger to feel around the inside of the centre hole and outside edge of the disc. If you feel any small bumps or irregularities, this could inhibit proper loading of the disc. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ballpoint pen or other such instrument, then insert the disc again.

Disc Cleaning

Fingerprints, dust, or soil on the surface of the disc could cause the CD player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the centre of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.

Irregular Shaped Discs

Be sure to use round shape discs only for this unit and never use any special shape discs.

Use of special shape discs may cause damage to the mechanism.

On handling Compact Discs (CD/CD-R/CD-RW)

• Do not touch the surface  
• Do not expose the disc to direct sunlight  
• Do not affix stickers or labels  
• Clean the disc when it is dusty  
• Make sure that there are no bumps around the disc  
• Do not use commercially available disc accessories.

Do not leave the disc in the car or the unit for a long time. Never expose the disc to direct sunlight. Heat and humidity may damage the CD and you may not be able to play it again.

To customers using CD-R/CD-RW

• If a CD-R/CD-RW cannot be played back, make sure the last recording session was closed (Finalized)  
• Finalize the CD-R/CD-RW if necessary, and attempt playback again.

About media that can be played

Use only compact discs with the label side showing the CD logo marks below.

If you use unspecified compact discs, correct performance cannot be guaranteed.

You can play CD-Rs (CD-Recordables), CD-RWs (CD-Rewritables) which have been recorded only on audio devices. You can also play CD-Rs/CD-RWs containing MP3 formatted audio files.

• Some of the following CDs may not play on this unit:  
Flashed CDs, CDs with fingerprints, CDs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), CDs recorded under unstable conditions, CDs on which a recording failed or a re-recording was attempted, copy-protected CDs which do not conform to the audio CD industry standard.

• Use discs with MP3 files written in a format compatible with this unit. For details, see "About MP3".

• ROM data other than audio files contained in a disc will not produce sound when played back.

Protecting the USB connection terminal

• Only a USB memory can be connected to the USB connection terminal on this unit. Correct performance using other USB products cannot be guaranteed. A USB hub is not supported.

• Do not connect a USB memory over 20 mm wide. Also, avoid connecting USB memory and Front Aux at the same time.

• Depending on the connected USB memory device, the unit may not function or some functions may not be performed.

• The audio file format that can be played back on the unit is MP3.

• Artist/song name, etc., can be displayed, however characters may not be correctly displayed.

CAUTION

Alpine accepts no responsibility for lost data, etc., even if data, etc., is lost while using this product.

On Handling USB Memory

To prevent malfunction or damage, note the following points. Read the USB memory Owner's Manual thoroughly.

• Do not touch the terminals by hand or metal.  
• Do not subject USB memory to excessive shock.  
• Do not bend, drop, disassemble, modify or soak in the water.

• Avoid usage or storage in the following locations:  
Anywhere in the car exposed to direct sunlight or high temperatures.  
Anywhere the possibility of high humidity or corrosive substances are present.

• Fix the USB memory in a location where driver operation will not be hindered.

• USB memory may not function correctly at high or low temperature.  
• The USB flash memory supports a maximum of 4 GB per partition. The unit recognizes only one partition.

• Use only certified USB memory. Note that even certified USB memory may not function correctly depending on its type or state.

• USB memory function is not guaranteed. Use USB memory according to the terms of agreement.

• Depending on the settings of the USB memory type, memory state or encoding software, the unit may not play back or display properly.

• A file that is copy-protected (copyright protection) cannot be played back.

• CD playback may take time to start playback. If there is a particular file other than audio in the USB memory, it may take considerable time before the file is played back or searched.

• The unit can play back "tag" file extensions.  
• Do not add the above extensions to a file other than audio data. This can cause the unit to be recognized. The resulting playback may contain noise that can damage speakers and/or amplifiers.

• It is recommended to back up important data on a personal computer.  
• Do not remove the USB device while playback is in progress. Change SOURCE to something other than USB, then remove the USB device to prevent possible damage to its memory.

• "MPEG Layer-1 audio coding technology licensed from Fraunhofer IIS and Thomson."

• "Supply of this product only conveys a license for private, non-commercial use and does not convey a license for any right to use this product in any commercial (i.e., revenue-generating) end-use, including broadcasting, terrestrial, satellite, cable and/or any other media, broadcasting, streaming via internet, intranet and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit <http://www.mplicensing.com>"

## Getting Started

Rotary encoder

VIEW

VIEW

### Accessory List

- Head unit.....1
- Power cable.....1
- Mounting sleeve.....1
- Carrying case.....1
- Bracket key.....2
- Rubber Cap.....1
- Bolt Stud.....1
- Owner's Manual.....1 set

### Turning Power On and Off

Press SOURCE/ to turn on the unit.

• The first time power is turned on, the volume will start from level 18.

Press and hold SOURCE/ for at least 2 seconds to turn off the unit.

## Detaching and Attaching the Front Panel

### Detaching

- Turn off the unit power.
- Press (Release) at the upper right side until the front panel pops out.
- Grasp the right side of the front panel and pull it out.

Press buttons (1 through 6)

Press buttons (1 through 6)

• The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel). This is not a malfunction.

• To protect the front panel, place it in the supplied carrying case.

• When detaching the front panel, do not apply excessive force as it may result in malfunction.

### Attaching

1 Insert the left side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.

2 Push the right side of the front panel until it locks firmly into the main unit.

• Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.

• Attach the front panel carefully, holding the sides of the front panel to avoid pushing buttons by mistake.

### Adjusting Volume

Turn the Rotary encoder until the desired sound is obtained.

Adjusting Volume : 0 - 40

## Radio

SOURCE/ BAND/ II A.M.E

VIEW

VIEW

### Listening to Radio

- Press SOURCE/ to select RADIO mode.
- Press BAND/ II repeatedly until the desired radio band is displayed.
- Press FM1 → FM2 → FM3 → MW → LW → FM1

FM1 → FM2 → FM3 → MW → LW → FM1

Press and hold (Left) or (Right) to tune in the desired station. Press and hold (Left) or (Right) for at least 0.5 seconds to seek station. The display shows the band, preset number and frequency of the station selected.

### Presetting Stations Manually

1 Select the radio band and tune in a desired radio station you wish to store in the preset memory.

2 Press and hold, for at least 2 seconds, any one of the preset buttons (1 through 6) into which you wish to store the station. The selected station is stored.

The display shows the band, preset number and station frequency memorized.

• A total of 30 stations can be stored in the preset memory (6 stations for each band: FM1, FM2, FM3, MW and LW).

• If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.

## Presetting Stations Automatically

1 Press BAND/ II repeatedly until the desired radio band is displayed.

2 Press and hold A.M.E for at least 2 seconds. The frequency on the display continues to change while the automatic memory is in progress. The radio will automatically seek and store 6 strong stations in the selected band. They will be stored into preset buttons 1 to 6 in order of signal strength.

• If no stations are stored, the radio will return to the original station you were listening to before the auto memory procedure began.

### Tuning to Preset Stations

1 Press BAND/ II repeatedly until the desired band is displayed.

2 Press any one of the station preset buttons (1 through 6) that has your desired radio station in memory. The display shows the band, preset number and frequency of the station selected.

## RDS

SOURCE/ BAND/ II A.M.E

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

VIEW

AF (Alternative Frequencies) Setting

1 Press and hold SOUND/RDS for at least 2 seconds to activate the SETUP mode.

2 Turn the Rotary encoder to select the AF mode, and then press Rotary encoder.

3 Turn the Rotary encoder to select ON or OFF.

4 Press and hold SOUND/RDS for at least 2 seconds to return to normal mode.

Notes

• Press VIEW to return to normal mode.

• If no operation is performed for 60 seconds, the unit will return to normal mode automatically.

Receiving RDS Regional (Local) Stations

1 Press and hold SOUND/RDS for at least 2 seconds to activate the SETUP mode.

2 Turn the Rotary encoder to select the REGIONAL mode, and then press Rotary encoder.

3 Turn the Rotary encoder to select ON or OFF. In the OFF mode, the unit automatically keeps receiving the related local RDS station.

4 Press and hold SOUND/RDS for at least 2 seconds to return to normal mode.

Notes

• Press VIEW to return to normal mode.

• If no operation is performed for 60 seconds, the unit will return to normal mode automatically.

PI SEEK Setting

1 Press and hold SOUND/RDS for at least 2 seconds to activate the SETUP mode.

2 Turn the Rotary encoder to select the PI SEEK mode, and then press Rotary encoder.

3 Turn the Rotary encoder to select ON or OFF.

4 Press and hold SOUND/RDS for at least 2 seconds to return to normal mode.

Notes

• Press VIEW to return to normal mode.

• If no operation is performed for 60 seconds, the unit will return to normal mode automatically.

## Receiving Traffic Information

1 Press and hold for at least 2 seconds so that the "TA" indicator lights up.

2 Press (Left) or (Right) to select your desired traffic information station.

When a traffic information station is tuned in, the "TPT" indicator lights up.

Traffic information is heard only when it is being broadcast. If traffic information is not being broadcast, the unit is set in the standby mode. When a traffic information broadcast begins, the unit automatically receives it and the display shows "TPT-INFO" for 5 seconds.

When the traffic information broadcast is over, the unit will automatically set in the standby mode.

Notes

• If you do not want to listen to the traffic information received, lightly press BAND/ II (A.M.E) to skip that traffic information message. The TA mode will remain in the ON position to receive the next traffic information message.

• If the volume level is changed while receiving traffic information, the changed volume level will be memorized. When traffic information is received next time, the volume level will be automatically adjusted to the level memorized.

• In the TA mode, the SEEK tuning selects only the TP stations.

Receiving Traffic Information While Playing CD or Radio

1 Press and hold for at least 2 seconds so that the "TA" indicator lights up.

2 Press (Left) or (Right) to select a traffic information station if necessary.

When a traffic information broadcast starts, the unit automatically mutes the CD player or the regular FM broadcast.

When the traffic information broadcast finishes, the unit automatically returns to the original source play before the traffic information broadcast began.

When traffic information stations cannot be received:

In the CD mode:

When the TP signal can no longer be received, the traffic information station of another frequency will be selected automatically.

Note

• The receiver is equipped with the EON (Enhanced Other Networks) function in order to keep track of additional alternate frequencies to the AF list. The "EON" indicator lights up while an RDS EON station is being received. If the station being received does not broadcast the traffic information, the receiver automatically tunes in the related station that broadcasts the traffic information when it occurs.

## Displaying Radio Text

Text messages from a radio station can be displayed.

1 Press VIEW while receiving FM in the radio mode to select the Radio Text display.

The display will change every time the button is pressed.

If there is a PS (Programme Service Name):

PS (Programme Service Name) → RADIO TEXT → PS (Programme Service Name)

• If VIEW is pressed and held for at least 2 seconds while displaying PS in the radio mode, frequency will be displayed for 5 seconds.

If there is no PS (Programme Service Name):

FREQUENCY → RADIO TEXT → FREQUENCY

The display shows "WAITING" for a few seconds, then starts showing the text message. If the text message is more than 8 characters, it will scroll.

Note

• If there is no receivable text message or the unit cannot receive a text message properly, the display shows "NO TEXT".

## CD/MP3

SOURCE/ BAND/ II A.M.E

VIEW

VIEW

VIEW

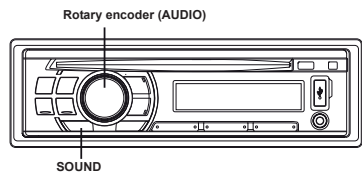
VIEW

VIEW

VIEW



## Sound Setting



### Adjusting Bass Level/Treble Level/Balance (Between Left and Right)/Fader (Between Front and Rear)

- 1 Press **Rotary encoder (AUDIO)** repeatedly to choose the desired mode.

Each press changes the mode as follows:

BASS → TREBLE → BALANCE → FADER → Return to normal mode

Bass: -12 ~ +12dB  
Treble: -12 ~ +12dB  
Balance: L15 ~ R15  
Fader: R15 ~ F15

If no operation is performed for 5 seconds after selecting the BASS, TREBLE, BALANCE or FADER mode, the unit automatically returns to normal mode.

- 2 Turn the **Rotary encoder** until the desired sound is obtained in each mode.

## Equalizer Presets (Factory's EQ)

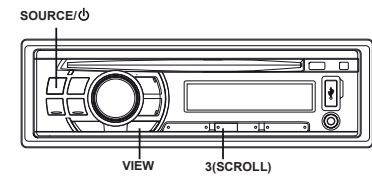
6 typical equalizer settings are preset at the factory for a variety of musical source material.

Press **SOUND** repeatedly until the desired Factory's EQ type is displayed.

With each press of the button, the equalizer mode will display the selected equalizer characteristic:

FLAT(OFF) → ROCK → POP → JAZZ → VOCAL → CLUB → FLAT(OFF)

## Other Functions



### Displaying the Text

Text information, such as the disc name and the track name, will be displayed if playing a CD text compatible disc. It is also possible to display the folder name, the file name and the tag, etc., while playing MP3 files.

#### Press VIEW.

The display will change every time the button is pressed.

In scroll text, press **SCROLL**.

#### The display in Radio mode:

If there is **PS (Programme Service Name)**  
PS (Programme Service Name)<sup>1</sup> → RADIO TEXT → RADIO TEXT → PS (Programme Service Name)

If there is no **PS (Programme Service Name)**  
FREQUENCY → RADIO TEXT → FREQUENCY

#### The display in CD mode:

TRACK NO./ELAPSED TIME → TEXT [DISC NAME]<sup>2</sup> → TEXT [TRACK NAME]<sup>2</sup> → TRACK NO./ELAPSED TIME

#### The display in MP3 mode:

FOLDER NO./FILE NO. → ELAPSED TIME → FOLDER NAME → FILE NAME → ALBUM NAME<sup>2</sup> → SONG NAME<sup>2</sup>/ARTIST NAME<sup>2</sup> → FOLDER NO./FILE NO.

If **VIEW** is pressed and held for at least 2 seconds in the PS display mode, frequency will be displayed for 5 seconds.

Displayed during playback of a disc with CD text.

If an MP3 file contains ID3 tag information, the ID3 tag information is displayed (e.g., song name, artist name, and album name). All other tag data is ignored.

#### About "Text"

Text: Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as "text."

Some characters may not be displayed correctly with this device, depending on the character type.

"NO TEXT" is displayed if text information cannot be displayed on this unit.

The text tag information may not be correctly displayed, depending on the contents.

## Using the Front AUX Input Terminal

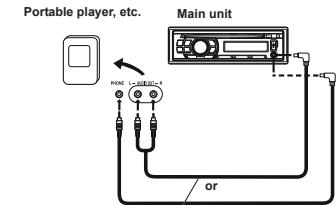
Connect a portable music player, etc. by simply connecting it to the input on the front panel. An optional adapter cable is required (standard RCA to 3.5 mm mini-phon plug or 3.5 to 3.5 mm mini-phon plug).

Press **SOURCE**, and select the **AUX** mode to listen to the portable device.

RADIO → CD<sup>1</sup> → USB<sup>2</sup> → AUX → RADIO

<sup>1</sup> Displayed only when a disc has been inserted.

<sup>2</sup> Displayed only when USB memory is connected.



#### Press VIEW.

The display will change every time the button is pressed.

In scroll text, press **SCROLL**.

#### The display in Radio mode:

If there is **PS (Programme Service Name)**  
PS (Programme Service Name)<sup>1</sup> → RADIO TEXT → RADIO TEXT → PS (Programme Service Name)

If there is no **PS (Programme Service Name)**  
FREQUENCY → RADIO TEXT → FREQUENCY

#### The display in CD mode:

TRACK NO./ELAPSED TIME → TEXT [DISC NAME]<sup>2</sup> → TEXT [TRACK NAME]<sup>2</sup> → TRACK NO./ELAPSED TIME

#### The display in MP3 mode:

FOLDER NO./FILE NO. → ELAPSED TIME → FOLDER NAME → FILE NAME → ALBUM NAME<sup>2</sup> → SONG NAME<sup>2</sup>/ARTIST NAME<sup>2</sup> → FOLDER NO./FILE NO.

If **VIEW** is pressed and held for at least 2 seconds in the PS display mode, frequency will be displayed for 5 seconds.

Displayed during playback of a disc with CD text.

If an MP3 file contains ID3 tag information, the ID3 tag information is displayed (e.g., song name, artist name, and album name). All other tag data is ignored.

#### About "Text"

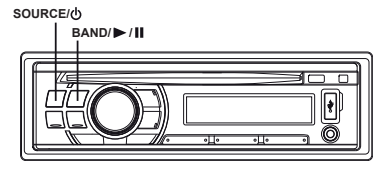
Text: Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as "text."

Some characters may not be displayed correctly with this device, depending on the character type.

"NO TEXT" is displayed if text information cannot be displayed on this unit.

The text tag information may not be correctly displayed, depending on the contents.

## USB memory (Optional)



### Controlling USB memory (Optional)

A USB memory device may be connected to this unit. With USB memory connected, playback of files on the device is controlled from this unit.

The controls on this unit for USB memory operation are operative only when a USB memory is connected.

### Playing MP3 Files with the USB memory (Optional)

If you connect a USB memory containing MP3, you can play these files on this unit.

- 1 Press **SOURCE** to switch to the **USB AUDIO** mode.

The mode will change every time the button is pressed.

RADIO → CD<sup>1</sup> → USB<sup>2</sup> → AUX → RADIO

<sup>1</sup> Displayed only when a disc has been inserted.

<sup>2</sup> Displayed only when USB memory is connected.

- 2 To pause playback, press **BAND** or **II**.

Pressing **BAND** or **II** again will resume the playback.

The root folder is displayed as "BOOT" in the Folder Name Search mode.

This unit plays back files on a USB memory device with the same controls and modes as playback of CDs containing MP3. For details, refer to "CD MP3".

Before disconnecting USB memory, be sure to change to another source or set to pause.

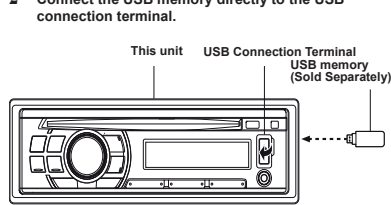
The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.

## USB Memory Connection (Optional)

### Connect USB memory

- 1 Open the cover of the USB connection terminal.

- 2 Connect the USB memory directly to the USB connection terminal.



### Remove USB memory

- 1 Carefully pull out the USB memory from the USB connection terminal.

- 2 Close the cover of the USB connection terminal.

Change to a source other than the USB memory mode, then remove the USB memory. If the USB memory is removed in the USB memory mode, data may be damaged.

When removing USB memory, pull it out straight.

If sound is not output or USB memory is not recognized even when USB memory is connected, remove USB memory once, then connect it again.

After removing the USB memory, close the cover of the USB connection terminal to prevent dust or foreign objects from entering and causing a malfunction.

### About MP3 File of USB Memory

#### Playing back MP3

MP3 files are prepared, then stored to a USB memory. This unit can recognise at least 99 folders (including root folder) and 255 files per folder stored in USB memory. Playback may not be performed if a USB memory exceeds the limitations described above.

Do not make a file's playback time more than 1,000 minutes.

This device can play back USB memory media.

#### Corresponding File Systems

This device supports FAT 12/16/32 for USB memory device.

## Information

### In Case of Difficulty

If you encounter a problem, please turn the power off, then on again. If the unit is still not functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

#### Basic

##### No function or display.

- Vehicle's ignition is off.
- If connected following instructions, the unit will not operate with the vehicle's ignition off.
- Improper power lead (Red) and battery lead (Yellow) connections.
- Check power lead and battery lead connections.
- Blown fuse.
- Check the fuse of the unit, replace with the proper value if necessary.

#### Radio

##### Unable to receive stations.

- No antenna or open connection in cable.
- Make sure the antenna is properly connected; replace the antenna or cable if necessary.

##### Unable to tune stations in the seek mode.

- If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.
- Check your antenna connections, make sure the antenna is properly grounded at its mounting location.
- The antenna may not be the proper length.
- Make sure the antenna is fully extended, if broken, replace the antenna with a new one.

##### Broadcast is noisy.

- The antenna is not the proper length.
- Extend the antenna fully, replace it if it is broken.
- The antenna is poorly grounded.
- Make sure the antenna is grounded properly at its mounting location.

#### CD

##### CD Player not functioning.

- Out of operating temperature range >70°C (>158°F) for CD.
- Allow the vehicle's interior (or trunk) temperature to cool.

##### CD playback sound is wavering.

- Moisture condensation in the CD Module.
- Allow enough time for the condensation to evaporate (about 1 hour).

##### CD insertion not possible.

- A CD is already in the CD player.
- Eject the CD and remove it.
- The CD is being improperly inserted.
- Make sure the CD is being inserted following instructions in the CD Player Operation section.

##### Unable to fast forward or backward the CD.

- The CD has been damaged.
- Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.

##### CD playback sound skips due to vibration.

- Improper mounting of the unit.
- Securely re-mount the unit.
- The disc is very dirty.
- Clean the disc.
- The disc has scratches.
- Change the disc.
- The pick-up lens is dirty.
- Do not use a commercially available lens cleaner disc. Consult your nearest Alpine dealer.

##### CD playback sound skips without vibration.

- The disc is dirty or scratched.
- Clean the disc; damaged disc should be replaced.

##### Error displays (built-in CD player only).

- Mechanical error.
- Press **▲** After the error indication disappears, insert the disc again. If the above-mentioned solution does not solve the problem, consult your nearest Alpine dealer.

##### CD-R/CD-RW playback not possible.

- Close session (finalization) has not been performed.
- Perform finalization and attempt playback again.

#### MP3

##### MP3 is not played back.

- Writing error occurred. The MP3 format is not compatible.
- Make sure the MP3 has been written in a supported format. Refer to "About MP3", then rewrite in the format supported by this device.

#### Indication for CD Player

##### CD ERR1

- The disc is dirty or upside down.
- Press the **▲** button and eject the CD.
- If not ejecting, consult your Alpine dealer.

##### CD ERR2

- The disc has scratches.
- Press the **▲** button and eject the CD.
- If not ejecting, consult your Alpine dealer.

##### CD ERR3

- Mechanism error.
- Consult your Alpine dealer.

##### CD ERR4

- A sampling rate/bit rate not supported by the unit is used.
- Use a sampling rate/bit rate that is supported by the unit.

#### Indication for USB memory

##### USB ERR1

- No song (file) is stored in the USB memory.
- Connect the USB memory device after storing songs (files).
- A USB device that is not supported by the unit is connected.
- Connect a USB device that is supported by the unit.

##### USB ERR2

- Abnormal current is run to the USB connector device (an error message may be displayed if the USB device that is not compatible with the unit is connected).
- Disconnect the USB memory device and turn off the power and turn on Connect another USB memory.

##### USB ERR3

- Communication error.
- Turn the ignition key off, and then set to ON again.

##### USB ERR4

- A sampling rate/bit rate not supported by the unit is used.
- Use a sampling rate/bit rate that is supported by the unit.

## Specifications

### FM TUNER SECTION

Tuning Range	87.5-108.0 MHz
Mono Usable Sensitivity	0.7 µV
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

### MW TUNER SECTION

Tuning Range	531-1,602 kHz
Sensitivity (IEC Standard)	25.1 µV/28 dB

### LW TUNER SECTION

Tuning Range	153-281 kHz
Sensitivity (IEC Standard)	31.6 µV/30 dB

### CD PLAYER SECTION

Sampling Range	8 times oversampling
DA Converter	1 bit DAC System
Pick-up Type	3-beam Photo Detector Pick Up

### Light Source

Wave length	790 nm
Laser Power	CLASS I

### Frequency Response

Signal-to-Noise Ratio	20-20,000 Hz (+1 dB)
Total Harmonic Distortion	0.01% (at 1 kHz)

### Wow & Flutter

Channel Separation	Below measurable limits
--------------------	-------------------------

### Weight

Weight	85 dB
--------	-------

### USB SECTION

USB requirements	1.1/2.0 Full Speed
------------------	--------------------

### Maximum Supply Compatibility

Maximum Supply Compatibility	500 mA
------------------------------	--------

### Front AUX Input

Input Impedance	10 kohms
-----------------	----------

### Allowable external input

Connector	2.0 V
-----------	-------

### 3.5 mm Stereo mini-pin

#### GENERAL

##### Power Requirement

12 V DC (11-16 V allowable), Test voltage 14.4 V, Negative ground

##### Current Consumption

Less than 2.1 A (CD mode; 0.5 W + 4)

##### Maximum Power Output

50 W + 4 (at 1 kHz) volume control maximum

##### Power Output

18 W + 4 (1 kHz, 1%, 4 ohms) 4-ohm

##### Speaker Impedance

2 V (CD mode; 1 kHz, 60Hz) 200 ohms

##### Dimensions (W × H × D)

178 × 50 × 160 mm 1.2 kg

Due to continuous product improvement, specifications and design are subject to change without notice.

## Installation and Connections

Before installing or connecting the unit, please read the following and "Operating Instructions" of this manual thoroughly for proper use.

### Warning

#### MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

#### USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

#### BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

#### DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, shift lever, brake pedals, etc. can be extremely hazardous.

#### DO NOT SPlice INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

#### DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

#### DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system) or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

#### KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

#### DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.

#### IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number or the engraved serial number is located on the top of the unit.

#### SERIAL NUMBER

#### INSTALLATION DATE

#### INSTALLATION TECHNICIAN

#### PLACE OF PURCHASE

## Installation

### Caution

Do not block the unit's heat sink, thus preventing air circulation. If blocked, heat will accumulate inside the unit and may cause a fire.

### Caution

#### HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

#### USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

#### ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

#### DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust can penetrate into this unit may result in product failure.

#### Precautions